

IDEA 1033
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30 January 1963

MEMORANDUM FOR : Chief, Security Branch, Office of Special Activities

SUBJECT : NPIC Briefing for State Department Principals on

[REDACTED]

In conversation with Mr. Bartlett Wells, DD/I&R, and [REDACTED] 25X1A

[REDACTED] Deputy Chief of NPIC, 28 January, I became aware of a briefing tentatively programed for 30 January at Mr. Alexis Johnson's request, designed to cover the same materials [REDACTED] showed [REDACTED] 25X1C

[REDACTED] this month [REDACTED] Scheduled to be present are at a minimum the following: Mr. Johnson, Governor Harryman, Mr. Roger Hilsman, Mr. Thomas Hughes, Mr. Joseph Scott, Mr. William McAfee, and Mr. Bartlett Wells. It had been planned to include Mr. Phillips Talbot, Assistant Secretary of State for the Near East, but he is on a trip in India, presumably with General Tipton and the military aid team which left last week.

JAMES A. CUNNINGHAM, JR.
Deputy Assistant Director
(Special Activities)

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MAJOR AIRCRAFT MALFUNCTIONS - DETACHMENT H

IDEA-1034

30 JAN 1963

A/C No.	Mission No.	Date	Area	Result	Malfunction	Corrective Action
355	11 missions	19 Oct thru 19 Nov	Local	Unsatisfactory	Flame-out and vibration problems one failure of AC generator	Lt. Col. McCarthy, Mr. Schumacher and Mr. Johnson visited Det H to give technical assistance. Buffet strips were installed and EGT climb temp reduced to 485°
355	HM 62-36	19 Nov	Local	Unsatisfactory	Auto pilot jumps in pitch	
355	HT 62-184	23 Nov	Local	Unsatisfactory	Auto pilot chattered at Inverter output fluctuated 390-394 cycles	Inverter replaced 25X1A
355	HM 62-37	3 Dec	Local	Unsatisfactory	Low level light came on after 40 min. flight	
355	HT 62-194	17 Dec	Local	Unsatisfactory	EGT sluggish. Q-bay press. fluctuated slowly 1000 ft.	
355	HM 62-39	13 Dec	Local	Unsatisfactory	Q-bay press varied 700 feet	
355	HT 62-195	18 Dec	Local	Unsatisfactory	Q-bay press fluctuates 1000 feet	
355	HM 63-2	10 Jan	Local	Unsatisfactory	EGT fluctuation Main inverter out	

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MAJOR AIRCRAFT MALFUNCTIONS - DETACHMENT H
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A/C No.	Mission No.	Date	Area	Result	Malfunction	Corrective Action
355	HT 63-3	11 Jan	Local	Unsatisfactory	Mach sensor out EGT fluctuation	
355	HT 63-4	14 Jan	Local	Unsatisfactory	Auto pilot caused control column to jitter. Possible inverter malfunction.	25X1A
355	N/A	15 Jan	NA	AOCP	Inverter malfunction	[] sent from LAC to give tech- nical assistance and to hand-carry replacement inverter. All spare inverters given functional check and adjusted.
355	HT 63-6	16 Jan	Local	Unsatisfactory	EGT fluctuated 15° continuously at max alt Q-bay pressure varied 900' Auto pilot had slight pitch fluctuation	
355	HT 63-12	27 Jan	Local	Unsatisfactory	Cabin pressure fluctuated at low altitude	
355	HT 63-13	29 Jan	Local	Unsatisfactory	Cabin and Q-bay pressure fluctuated Low level light came on during final approach	

25X1A

AIRCRAFT MISSION FAILURES -

IDEA-1035

A/C No.	Mission No.	Date	Area	Result	Malfunction	Corrective Action
342	3211	12 Jan	Tibet	Aborted	Auto pilot failed 1:35 after take-off	Circuit breaker popped malfunction in power supply or amplifier. Both units changed and SB618 C/W. Test hop OK
342	3213	19 Jan	Tibet	Completed	Low level light after air refueling	Complete functional check failed to reveal any cause for this malfunction. Test hop OK
342	3215	22 Jan	NEFA	Completed-- Partially Successful	Q-bay seal blew. Inverter failed. Hatch heater-blower failed causing B camera damage and film exposure	Q-bay seal replaced. Inverter replaced. Hatch heater-blower replaced.
355	GRC-138	20 Jan	Szechiran Basin	Partial Failure	Q-bay fluctuation from '2000' to 10,000' during last hour of mission	Replaced canopy seal

RECURRING COMPONENT MALFUNCTIONS
1 JULY - 31 DECEMBER 1962

IDEA-1036

30 JAN 1963

<u>LOCATION</u>	<u>DATE</u>	<u>ITEM</u>	<u>MALFUNCTION</u>
"G"	Sept	Alternator SP-R329-3	Noise in radio from AC Generator. Generator replaced.
"H"	Sept	Alternator SP-R329-3	Failure in flight. (80:40) Beads of solder found in area of mounting on engine. Item replaced.
"H"	Oct	Alternator SP-R329-3	Failure in flight. (11:20) Reason unknown. Item replaced.
"H"	Nov	Alternator SP-R329-3	Failure in flight. (16:25) Over heat indication on wire near mounting base. Item replaced
"H"	Dec	Alternator SP-R329-3	Failure (66:40). Wire harness burned. Replaced.
"H"	Dec	Alternator SP-R329-3	Item drawn from supply and found to be wired incorrectly. Corrected locally.
"H"	Dec	Alternator SP-R329-3	Item drawn from supply and found to be wired incorrectly. Corrected locally.
"H"	Aug	Main Inverter SP-R419-2	No output. Total time 25:55. Replaced
"H"	Oct	"	Excessive bearing noise. Intermittent output suspected. Total time 33:55. Replaced
"H"	Nov	"	Fluctuating output. Total time 63:15. Replaced
"H"	Dec	"	Frequency fluctuates from 329-422. Total time 40:55. Replaced
"H"	Dec	"	Frequency varies. Total time 43:15. Replaced

RECURRING COMPONENT MALFUNCTIONS
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<u>LOCATION</u>	<u>DATE</u>	<u>ITEM</u>	<u>MALFUNCTION</u>
"H"	Aug	EGT Amplifier 6685-589-0073	Fluctuates. Time 4:50. Replaced
"H"	Aug	"	Fluctuates. Time 2:10. Replaced
"H"	Aug	"	Would not operate during ground check. Rejected.
"H"	Aug	"	Read 25° C high during ground check. Rejected.
"H"	Aug	"	Fluctuates. Time 9:00. Replaced
"H"	Nov	"	Erratic. Time 264:05. Replaced
"H"	Nov	"	Erratic. Time 4:15. Replaced
"H"	Nov	"	Erratic - jumped 100° C. Time 3:40. Replaced
"H"	Dec	"	8° C low on functional check. Rejected
"H"	Dec	"	15° C low. Time 57:25. Replaced
"G"	Sep	"	Excessive fluctuation. Chronic failure with this item. Replaced eight times.

NOTE: Action is being taken by the Depot to have LAC perform a functional check on these items prior to issue to the field. This item will be replaced with a more reliable item if functional checks fail to correct the problem.

SECRETCAMERA MALFUNCTIONSIDEA-1037
31 JAN 1963
Corrective Action

Mission No.	Date	Camera S/N	Area	Result %	Malfunction	Corrective Action
GRC-133	20 Dec 62	10	China - Szechivan Basin	Aborted 10%	Extreme binding of film between take-up and supply spools. Outboard bearing housing on aft take-up spool worked free toward the outside pushing against nut on cassette shaft causing film to bind and film drive clutches to slip	All outboard spool bearings being inspected and gauged as part of pre-flight inspection.
GRC-134	23 Dec 62	10	China - Szechivan Basin	48%	Tension sensor assembly failed. Decreasing switch points burnt shut which in turn caused film drive to stop.	Faulty assembly replaced. First indication of failure of tension sensor assembly.
GRC-136	27-28 Dec 62	10	China	78%	Shutter failed half way through mission. Due to failure of wind motor. Shutter and motor had 8.475 cycles since M & O.	Wind motor replaced. Faulty item returned to HYCON for further analysis and recommendation.
3208	31 Dec 62	9	Kashmir	0%	Camera failed on the fifth 30-second cycle test prior to mission run. Faulty solenoid and timing problem. Vacuum valve plunger and cavity were dirty and worn.	Vacuum valve replaced. Maintenance inspection of solenoid immediately reduced from 25,000 cycles to 10,000 cycles per discussions with HYCON. Arrangements made

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SECRETCAMERA MALFUNCTIONS
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Mission No.	Date	Camera S/N	Area	Result %	Malfunction	Corrective Action
					25X1A 25X1A 25X1A 25X1A	to send [] [] HYCON Engineer to [] and [] to give technical assistance to field reps and to analyze field maintenance procedures.
3110	3 Jan 63	9	Kashmir	92%	Post flight inspection revealed loss of 277 cycles of 3165 cycle count. Shutter was not tripping in position 3L due to intermittent break beneath insulation of shutter cable "A" ground wire.	Replaced faulty ground wire. Condition failure relayed to [] for info and action connection his trip to [] Replacement of cycle shutter cable ordered reduced to 25,000 cycles.
				25X1A		
				25X1A		
GRC-138	20 Jan 63	3	China - Szechivan Basin	Unknown	Vacuum Valve Assembly - total cycles 9301. Valve assembly cleaned and adjusted as per HYCON instructions but malfunction not corrected.	Replacing of faulty part with new nickel sleeve solenoid valve assembly. NOTE: Subsequent flight tests at [] and [] with nickel sleeve solenoid report no apparent camera malfunction. Follow-on film read-out these tests reports satisfactory operation.
					25X1A 25X1A	

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